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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/126,391	09/23/93	MILLER	W NR103CIP

HOWARD M. COHN  
800 STANDARD BUILDING  
CLEVELAND, OH 44113

4102/1006

EXAMINER	
PIKE, A	
ART UNIT	PAPER NUMBER
2102	19

DATE MAILED:

10/06/95

**NOTICE OF DRAWING REQUIREMENTS**

☒ Corrected/substituted drawings for the above-identified application, received in the PTO on 9-21-95, are still considered informal for the reason(s) identified on the attached Form PTO-948.

☐ Applicant has the time remaining in the response period set in the Notice of Allowability or Notice of Drawing Requirements mailed \_\_\_\_\_ to overcome the objections raised in the attached Form PTO-948. This response period may be extended under the provisions of 37 CFR 1.136 (a) by filing the appropriate request and fee before the end of the six month statutory period for response.

☒ The PTO delayed in reviewing the corrected drawings. Applicant is given ONE month time limit from the date of this letter to provide corrected drawings. NO EXTENSION OF THIS TIME LIMIT MAY BE GRANTED UNDER EITHER 37 CFR 1.136(a) or (b). See MPEP 714.03. However, the response period set in the Notice of Allowability or Notice of Drawing Requirements mailed 9-25-95 may be extended under the provisions of 37 CFR 1.136(a) by filing the appropriate request and fee before the end of the six month statutory period for response.

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☒ ATTACHMENT: PTO-948

BRIDGET B GRAY  
PATENT AND TRADEMARK OFFICE

10-5-95  
DATE



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER
	17

DATE MAILED:

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☒ ATTACHMENT: PTO-948

BRIDGET B Gray  
PATENT AND TRADEMARK OFFICE

10-5-98  
DATE

**NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW**

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 9-21-95, are  
 A. ☐ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice

1. **DRAWINGS** 37 CFR 1.84(a) Acceptable categories of drawings.  
 Black ink Color

- ☐ Not black solid lines Fig(s) \_\_\_\_\_  
☐ Color drawings are not acceptable until petition is granted.  
 Fig(s) \_\_\_\_\_

2. **PHOTOGRAPHS** 37 CFR 1.84(b)

- ☐ Photographs are not acceptable until petition is granted.  
 Fig(s) \_\_\_\_\_  
☐ Photographs not properly mounted (must use bristol board or photographic double-weight paper) Fig(s) \_\_\_\_\_  
☐ Poor quality (half-tone) Fig(s) \_\_\_\_\_

3. **CHEMICAL FORMS** 37 CFR 1.84(d)

- ☐ Chemical or mathematical formula not labeled as separate figure.  
 Fig(s) \_\_\_\_\_  
☐ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis.  
 Fig(s) \_\_\_\_\_  
☐ Individual waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) \_\_\_\_\_

4. **TYPE OF PAPER** 37 CFR 1.84(c)

- ☐ Paper not flexible, strong, white, smooth, nonshiny, and durable.  
 Sheet(s) \_\_\_\_\_  
☐ Erasures, alterations, overwritings, interlineations, cracks, creases, and folds copy machine marks not accepted Fig(s) \_\_\_\_\_  
☐ Mylar, velum paper is not acceptable (too thin) Fig(s) \_\_\_\_\_

5. **SIZE OF PAPER** 37 CFR 1.84(f) Acceptable sizes:

- 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)  
 21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)  
 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)  
 21.0 cm. by 29.7 cm. (DIN size A4)

- ☐ All drawing sheets not the same size Sheet(s) \_\_\_\_\_  
☐ Drawing sheet not an acceptable size. Sheet(s) \_\_\_\_\_

6. **MARGINS** 37 CFR 1.84(g) Acceptable margins

Paper size

21.6 cm X 35.6 cm (8 1/2 X 14 inches)	21.6 cm X 33.1 cm (8 1/2 X 13 inches)	21.6 cm X 27.9 cm (8 1/2 X 11 inches)	21.0 cm X 29.7 cm (DIN Size A4)
1.51 cm (2 1/4")	2.5 cm (1")	2.5 cm (1")	2.5 cm
1.64 cm (1 1/4")	.64 cm (1/4")	.64 cm (1/4")	2.5 cm
1.64 cm (1 1/4")	.64 cm (1/4")	.64 cm (1/4")	1.5 cm
1.64 cm (1 1/4")	.64 cm (1/4")	.64 cm (1/4")	1.0 cm.

Margins do not conform to chart above

Sheet(s) FIGS. 2, 3  
☐ Top (T) ☐ Left (L) ☐ Right (R) ☐ Bottom (B)

7. **VIEWS** 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes

- ☐ All views not grouped together Fig(s) \_\_\_\_\_  
☐ Views connected by projection lines or lead lines  
 Fig(s) \_\_\_\_\_  
☐ Partial views. 37 CFR 1.84(h) 2

- ☐ View and enlarged view not labeled separately or properly.  
 Fig(s) \_\_\_\_\_

Sectional views. 37 CFR 1.84 (h) 3

- ☐ Hatching not indicated for sectional portions of an object.  
 Fig(s) \_\_\_\_\_

- ☐ Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) \_\_\_\_\_

8. **ARRANGEMENT OF VIEWS** 37 CFR 1.84(i)

- ☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

9. **SCALE** 37 CFR 1.84(k)

- ☐ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction.  
 Fig(s) \_\_\_\_\_  
☐ Indication such as "actual size" or scale 1/2" not permitted.  
 Fig(s) \_\_\_\_\_

10. **CHARACTER OF LINES, NUMBERS, & LETTERS** 37 CFR 1.84(l)

- ☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings).  
 Fig(s) 2-4, 9 (ROUGH AND FADED ink!)

11. **SHADING** 37 CFR 1.84(m)

- ☐ Solid black shading areas not permitted.  
 Fig(s) \_\_\_\_\_

- ☐ Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)

- ☐ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_  
☐ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_  
☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_  
☐ Numbers, letters, and reference characters do not measure at least 32 cm. (1/8 inch) in height. 37 CFR(p)(3) Fig(s) \_\_\_\_\_

13. **LEAD LINES.** 37 CFR 1.84(q)

- ☐ Lead lines cross each other Fig(s) \_\_\_\_\_  
☐ Lead lines missing. Fig(s) \_\_\_\_\_

14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)

- ☐ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1 Sheet(s) \_\_\_\_\_

15. **NUMBER OF VIEWS** 37 CFR 1.84(u)

- ☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1 Fig(s) \_\_\_\_\_  
☐ View numbers not preceded by the abbreviation Fig.  
 Fig(s) \_\_\_\_\_

16. **CORRECTIONS.** 37 CFR 1.84(w)

- ☒ Corrections not made from prior PTO-948.  
 Fig(s) 2-4, 9

17. **DESIGN DRAWING.** 37 CFR 1.152

- ☐ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
☐ Solid black shading not used for color contrast  
 Fig(s) \_\_\_\_\_

**COMMENTS:**

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5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5 cm.
L .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	2.5 cm.
R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.

Margins do not conform to chart above.

Sheet(s) FIGS. 1, 2, 3  
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COMMENTS: